

COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

Please rewrite the claims as set forth below.

No claims have been amended. New claims 25 and 26 have been added and no claims have been canceled.

1. (Previously amended) A liquid crystal panel comprising:

a first substrate having one surface formed with a planarizing film, a plurality of pixels, and a light shielding region present between any adjacent ones of said plurality of pixels;

a second substrate bonded to said first substrate with a given gap defined therebetween;

a liquid crystal layer filling said given gap;

a pixel electrode located on said planarizing film adjacent said liquid crystal layer;

said second substrate having an opposing electrode formed on said planarizing film opposite said pixel electrode; and

wherein said planarizing film has a flat surface formed with a projection formed through said pixel electrode film and abutting against an innermost surface of said second substrate adjacent to said liquid crystal layer to define said given gap between said first substrate and said second substrate, said projection being located in said light shielding region.
2. (Original) A liquid crystal panel according to claim 1, wherein said projection is formed of the same material as that of said planarizing film.
3. (Original) A liquid crystal panel according to claim 1, wherein said projection is formed of a material different from that of said planarizing film.

4. (Previously amended) A liquid crystal panel according to claim 1, wherein said electrode is located on a flat surface of said planarizing film not covering said projection in a region corresponding to each pixel.

5. (Previously amended) A liquid crystal panel according to claim 1, wherein said projection has an end surface having an area that is about 1/2 of the area of said light shielding region.

6. (Original) A liquid crystal panel according to claim 1, wherein said innermost surface on the liquid crystal side of said second substrate is provided with at least one of a color filter and a microlens.

7. (Original) A liquid crystal panel according to claim 1, wherein said flat surface of said planarizing film is formed with a common electrode portion for allowing said first substrate to have a common potential with respect to said second substrate, said common electrode portion being located outside of an effective pixel portion formed by a matrix of said pixels, said common electrode portion comprising a second projection similar to said projection and a conductive film covering said second projection.

8. (Original) A liquid crystal panel according to claim 1, wherein said projection is formed of an organic material.

9. (Original) A liquid crystal panel according to claim 8, wherein said organic material is a photosensitive or nonphotosensitive acrylic resin or a material containing said acrylic resin as a primary component.

10. (Original) A liquid crystal panel according to claim 3, wherein said planarizing film is formed of an inorganic material, and said projection is formed of an organic material.

11. (Previously amended) A manufacturing method for a liquid crystal panel, comprising the steps of:

- preparing a first substrate and a second substrate;
- forming a plurality of pixels in the form of matrix on one surface of said first substrate;
- forming a light shielding region between any adjacent ones of said plurality of pixels on said one surface of said first substrate;
- forming a planarizing film on said one surface of said first substrate;
- forming a pixel electrode on a surface of said planarizing film;
- forming a projection on a flat surface of said planarizing film through said pixel electrode at a position in said light shielding region;
- bonding said first substrate and said second substrate opposed to each other with a given gap defined therebetween and said projection abutting against an innermost surface of said second substrate; and
- filling said given gap with a liquid crystal layer in a hermetically sealed condition.

12. (Original) A manufacturing method according to claim 11, wherein said projection is formed of the same material as that of said planarizing film.

13. (Original) A manufacturing method according to claim 12, wherein said step of forming said planarizing film is the same as said step of forming said projection.

14. (Original) A manufacturing method according to claim 11, wherein said projection is formed of a material different from that of said planarizing film.

15. (Original) A manufacturing method according to claim 11, comprising the step of forming said pixel electrode on said flat surface of said planarizing film in a region for forming each pixel at a position not covering said projection, after said step of forming said

planarizing film and said projection and before said step of bonding said first substrate and said second substrate.

16. (Original) A manufacturing method according to claim 11, further comprising the step of forming said pixel electrode on said flat surface of said planarizing film in a region for forming each pixel, after said step of forming said planarizing film and before said step of forming said projection.

17. (Original) A manufacturing method according to claim 11, wherein said innermost surface of said second substrate adjacent to said liquid crystal layer is provided with at least one of a color filter and a microlens.

18. (Original) A manufacturing method according to claim 15, wherein:
said step of forming said projection includes the step of forming a second projection similar to said projection on said flat surface of said planarizing film at a position outside of an effective pixel portion formed by the matrix of said pixels; and

said step of forming said pixel electrode includes the step of forming a conductive film for said pixel electrode and covering said second projection with said conductive film to thereby form a common electrode portion composed of said second projection and said conductive film for allowing said first substrate to have a common potential with respect to said second substrate.

19. (Original) A manufacturing method according to claim 11, wherein said step of forming said projection employs an organic material for said projection.

20. (Original) A manufacturing method according to claim 19, wherein said organic material is a photosensitive or nonphotosensitive acrylic resin or a material containing said acrylic resin as a primary component.

21. (Original) A manufacturing method according to claim 14, wherein said step of forming said planarizing film employs an inorganic material, and said step of forming said projection employs an organic material.

22. (Original) A liquid crystal display having a liquid crystal panel according to claim 1.

23. (Original) A liquid crystal projector having a liquid crystal panel according to claim 1.

24. (Previously added) The liquid crystal panel according to claim 1, further comprising at least one switch located in the light shielding region, the switch adapted to energize and de-energize at least one of said pixels, wherein the switch is positioned in the light shielding region.

DI 25. (New) A liquid crystal panel comprising:

- a first substrate having one surface formed with a planarizing film;
- a second substrate separated from the first substrate by liquid crystal, wherein said second substrate has a second electrode positioned on a side of the second substrate proximate the first substrate;
- a plurality of pixels, each of the pixels including:
 - a pixel electrode disposed on a side of the planarizing film proximate the second substrate;
 - a switching device having a drain electrode;
 - a light shielding region positioned on a side of the planarizing film distal from the pixel electrode and positioned over the switching element and between each adjacent one of the pixels;
 - an interlayer positioned between the light shielding region and the switching device;

wherein the light shielding region electrically connects to the drain electrode and the pixel electrode;

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wherein said planarizing film has a surface formed with a projection formed through said pixel electrode film and abutting against an innermost surface of said second substrate adjacent to said liquid crystal layer to define said given gap between said first substrate and said second substrate, said projection being located in said light shielding region.

26. (New) The liquid crystal panel according to Claim 25, wherein the light shielding region is adapted to act as a capacitor.
